

[Document Name] Abstract

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[problem] It is an object of the present invention to provide a flash lamp which can prevent misflashes from occurring and elongate its life by stopping the material likely to emit electrons from transpiring.

[Means for solution] In a flash lamp 2 having, within a sealed container 4 encapsulating a gas therein, a discharge electrode pair 10 comprising a cathode 6 and an anode 8 opposing thereto for effecting an arc discharge, and trigger electrodes 12, 14 for effecting a preliminary discharge before the arc discharge, the cathode 6 comprises a metal substrate 22 of an impregnation type in which a porous high-melting metal is impregnated with a material likely to emit electrons or a sintering type in which a high-melting metal is sintered with a material likely to emit electrons contained therein, and a coating 24 of a high-melting metal covering a predetermined part of the surface of the metal substrate 22, whereas the metal substrate 22 has a pointed head directed toward the anode 8, and this pointed head 22a of the metal substrate 22 has a tip portion 22t exposed without being covered with the coating 24.

[Selected figure] Fig. 2